

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Xiuzhang	James	Zhang,	et al.
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Art Unit: 3745

Serial No.: 10/699,056

Filed: October 31, 2003

Examiner: Ninh H. Nguyen

ned. October 51, 2005

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For: METHODS AND APPARATUS FOR COOLING

GAS TURBINE ROTOR BLADES

## INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

The following are submitted in the above application in compliance with 37 CFR 1.97 and 37 CFR 1.98.

This paper is submitted in accordance with:

<u> </u>	7 CFR 1.97(b): [within three months of national, non-CPA filing, prior to first Office ction, on the merits, or prior to first office action after filing an RCE]
☐ 3.	7 CFR 1.97(c): [before Final Office Action, Allowance, or other action closing cosecution, whichever is earlier]; and
	a. The required Certification made in item 5 below; or
	b. The \$180.00 fee specified in 37 CFR 1.17(p) for submission of this Information Disclosure Statement is authorized in item 6 below.
<b>4</b> .	7 CFR 1.97(d): [on or before issue fee payment]; and
	a. The required Certification is stated in item 5 below; and

	☐ b.	The \$180.00 fee specified in 37 C.F.R. 1.17(p) for submission of this Information Disclosure Statement is authorized in item 6 below.		
⊠ 5.	Certifi	Certification		
	⊠ a.	Each item of information contained in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign patent application not more than three months prior to the filing of this Statement; or		
	☐ b.	No item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign patent application and, to the knowledge of the person signing this document after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in 37 CFR 1.56(c) more than three (3) months prior to the filing date of this Statement.		
☐ 6.	Payme	ent of all applicable fees:		
	$\boxtimes$	Please charge all applicable fees associated with the submittal of this Information Disclosure Statement to Deposit Account No. 01-2384.		
		Enclosed is a check in the amount of \$in payment of all applicable fees associated with the submittal of this Information Disclosure Statement.		
This d	ocumen	t is submitted in duplicate.		
11110 0		Respectfully Submitted,		
		William J. Zychlewicz, Reg. 51,366 Armstrong Teasdale LLP One Metropolitan Square, Suite 2600 St. Louis, Missouri 63102		
		(314) 621-5070		

PTO/SB/08A (08-03) Approved for use through 07/31/2006. OMB 0651-0031

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Substitute for form 1449/PTO

Sheet 1

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of 1

Complete if Known			
Application Number	10/699,056		
Filing Date	October 31, 2003		
First Named Inventor	Xiuzhang J. Zhang		
Art Unit	3745		
Examiner Name	Ninh H. Nguyen		
Attorney Docket Number	136480		

			U. S. PATEN	T DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Document Number  Number-Kind Code <sup>2 (f known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	<sup>US-</sup> 6,390,775-B1	05/21/2002	Paz	
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		FORE	IGN PATENT DOCL	JMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T <sup>6</sup>
	FA	GB 1,190,771	04/13/1966	Hyde	,	
	FB	JP 01063605-A	03/09/1989	Hitachi Ltd.		
	FC	EP 1,101,898-A3	01/21/2004	Watanabe, et al		
	FD	EP 0,801,208-A2	10/15/1997	Zelesky		

Examiner	Date	
Signature	Considered	1

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.